

Applicant's representative indicated that the pending claims 36, 37, and 38 were not anticipated by that reference. In fact, it was pointed out that the Cavers '875 reference is discussed throughout the pending application as being the prior art and not having the benefits of the present invention.

Applicant's representative heard nothing further from Examiner Nguyen, and the formal allowance of the application was not withdrawn.

Upon the follow-up conversations with the Examiner's supervisor, Mr. Rex Barnie, on February 8, 2006, Mr. Barnie indicated that, from a formal review, the Patent Office is taking the position that the claims are anticipated by the Cavers '875 patent and that, if the issue fee was paid on the due date of February 10, 2006, the Patent Office would have to proceed in withdrawing the case from issuance.

From the discussion, it was determined that the most expedient way to address the current issue is through a Request for Continued Examination (RCE). Accordingly, herein, an RCE is filed.

In the discussion with Mr. Barnie on February 8, 2006, he indicated that, from further Examiner review, he and another Examiner have taken a position that Cavers teaches a plurality of monitor signals input to a controller and a plurality of control settings that are output therefrom. With respect to the recited adaptation controller first determining M uncorrelated adjustment settings dependent on the M monitor signals, the Examiner's position is that M adjustment settings are taught in Cavers '875 by the use of internal monitor signals of the delay, gain and phase adjuster, as well as output signals from various of the stages in the amplifier that are uncorrelated with the monitor signals, and

that the use of those uncorrelated signals provides the claimed "M uncorrelated adjustment settings that are used to adjust the M control settings."

However, Applicant strongly disagrees with such a position, as replete throughout the Cavers '875 reference is the teaching of the use of bandpass correlators that use input signals R and I to generate control signals for the complex gain adjustment circuits of the linearizer.

As noted above, the Cavers '875 patent is discussed throughout the pending application, particularly on page 8, and various techniques are indicated for Cavers '875, but the goal of the present application is to improve on the reliability of the adaptation of multi-branch linearizers, something not provided by Cavers '875. As noted in the last paragraph of page 8, one such desirable technique is to decorrelate the branch signals that are monitored by the adaptation controller. This is something that is not provided by Cavers '875.

Rather, as set forth in various of the drawings set forth in Cavers '875, and particularly Figs. 6, 7, 9, 10 and 11 of that reference, the monitor signals R and I are directed to bandpass correlators. The teaching regarding such bandpass correlators does not teach that they are operable to determine M uncorrelated adjustment settings from the monitor signals, and then to use those uncorrelated adjustment settings to adjust the control settings provided by the bandpass correlators.

As such, Cavers '875 does not anticipate claims 36-38 of the present invention. As set forth on page 13-24 of the pending application, various adjustment settings are provided based upon vectors and matrixes of uncorrelated signals that are then used to generate control settings $a(n)$. Cavers '875 provides absolutely no teaching of such

uncorrelated adjustment settings that are used to adjust the control settings for a signal adjuster as taught and claimed in the present application and the pending claims 36-38.

Accordingly, the Applicants submit that the pending claims are allowable over the Cavers '875 reference and respectfully request an indication of the allowance of those claims at the Examiner's earliest convenience.

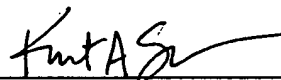
CONCLUSION

Applicants submit that the currently pending claims are allowed and the remaining issues in the case have been addressed. Therefore, the Applicants request a Notice of Allowability of the application at the Examiner's earliest convenience. If any issues remain in the case which might be handled in an expedited fashion, such as through a telephone call or an Examiner's Amendment, the Examiner is certainly encouraged to telephone the Applicants' representative or to issue an Examiner's Amendment.

The Applicants know of no fees due herein with this submission. However, if any additional charges or credits are necessary, please apply them to Deposit Account 23-3000.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.



Kurt A. Summe

Reg. No. 36,023

2700 Carew Tower
Cincinnati OH 45202
(513) 241-2324 (voice)
(513) 421-7269 (facsimile)